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USPTO Form 1449/PTO

PART OF PAPER #9
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 3


Approved for use through 04/30/2003. OMB 0704-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	10/035,356
Filing Date	10/26/2001
First Named Inventor	Roger L. Schults
Art Unit	3672
Examiner Name	Dang, Hoang C.
Attorney Docket Number	SC-00-12

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GROUP 3600

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (Auto ent)			
	AA1	US- 2,560,328			
	AB1	US- 2,582,312			
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	AD1	US- 3,058,532			
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	AH1	US- 3,581,564			
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	AN1	US- 3,782,190			
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	AP1	US- 3,865,736			
	AQ1	US- 3,913,686			
	AR1	US- 4,030,558			
	AS1	US- 4,114,704			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
	AT1	GB	2 365 899 A	02-27-2002	SMITH INTL		
	AU1	GB	2 363 146 A	12-12-2001	SMITH INTL		

Examiner Signature		Date Considered	5/29/03
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D C 20231.

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Complete if Known

(Use as many sheets as necessary)

Sheet 2 of 2

Application Number	10/035,350
Filing Date	10/26/2001
First Name of Inventor	Roger L. Schultz
Art Unit	3672
Examiner Name	Dang, Hoang C.
Attorney Docket Number	SC-00-12

Examiner Initials*	Cite No.1	U. S. PATENT DOCUMENTS			
		Document Number Number-Kind Code ² (Also see)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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AB2	US-	4,436,164			
AC2	US-	4,441,244			
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AJ2	US-	4,785,894			
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AM2	US-	4,852,399			
AN2	US-	4,876,886			
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AQ2	US-	4,928,521			
AR2	US-	5,183,123			
AS2	US-	5,216,917			

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Examiner
Signature

Dane

Date
Considered

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<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes and USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.</p> <p>This collection of information is required by 37 CFR 1.97 and 1.98.</p>	<p>Considered</p> <p>Y29 / B3</p>
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Sheet	3	of	22
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Application Number	10/035,360
Filing Date	10/26/2001
First Named Inventor	Roger L. Schul
Art Unit	3672
Examiner Name	Dang, Hoang C.
Attorney Docket Number	SC-00-12

U. S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if no unit)			
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	AB3	US- 5,372,207			
	AC3	US- 5,415,030			
	AD3	US- 5,794,720			
	AE3	US- 3,853,087			
	AF3	US- 4,063,786			
	AG3	US- 4,074,575			
	AH3	US- 4,148,271			
	AI3	US- 4,379,291			
	AJ3	US- 4,425,010			
	AK3	US- 4,493,042			
	AL3	US- 4,659,043			
	AM3	US- 4,665,393			
	AN3	US- 4,790,190			
	AO3	US- 4,812,826			
	AP3	US- 5,001,993			
	AQ3	US- 5,072,611			
	AR3	US- 5,140,311			
	AS3	US- 5,249,871			

[illegible]Date
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PART OF PAPER #8

PTO/SB/08A (02-03)

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Sheet 1 of 2

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Application Number	10/035,350
Filing Date	10/26/2001
First Named Inventor	Roger L. Schultz
Art Unit	3672
Examiner Name	Dang, Hoang C.
Attorney Docket Number	SC-00-12

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if any)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA3	US- 5,305,836			
	AB3	US- 5,372,207			
	AC3	US- 5,415,030			
	AD3	US- 5,794,720			
DA	AE3	US- 3,853,087			
	AF3	US- 4,063,786			
	AG3	US- 4,074,575			
	AH3	US- 4,148,271			
	AI3	US- 4,379,291			
	AJ3	US- 4,425,010			
	AK3	US- 4,493,042			
	AL3	US- 4,659,043			
	AM3	US- 4,665,393			
	AN3	US- 4,790,190			
	AO3	US- 4,812,826			
	AP3	US- 5,001,993			
	AQ3	US- 5,072,611			
	AR3	US- 5,140,311			
DA	AS3	US- 5,249,871			

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner Signature	Date Considered
DAVIX	5/29/03

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PART OF PAPER #8

PTO/SB/08A (02-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Application Number	10/035,350
Filing Date	10/26/2001
First Named Inventor	Roger L. Schultz
Art Unit	3672
Examiner Name	Dang, Hoang C.
Attorney Docket Number	SC-00-12

Sheet 2 of 2

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (Also see)				
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	AB4	US-	5,633,628			
	AC4	US-	5,677,488			
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	AE4	US-	5,865,543			
	AF4	US-	4,001,773			
	AG4	US-	4,040,003			
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)					

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Signature

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Date
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5/29/03

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Part of #6

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/035,350		
		Filing Date	10/26/01		
		First Named Inventor	Roger L. Schultz		
		Art Unit			
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	SC-00-12

U.S. PATENT DOCUMENTS						
Examiner Initials ⁷	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300	AA1	US-5,813,480	09/29/98	Zaleski, Jr.		
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	AO1	US-4,688,647	08/25/87	Daly		
	AP1	US-4,655,300	04/07/87	Davis, Jr.		
	AQ1	US-4,911,252	03/27/90	Estes		
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	AS1	US-6,011,346	01/04/00	Buchanan		
	AT1	US-5,839,508	11/24/98	Tubel		

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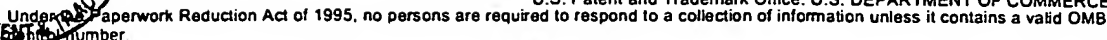
FOREIGN PATENT DOCUMENTS							
Examiner Initials ⁷	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				
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SA	AV1		EP0909008 A2	04/14/99	Halliburton		
SA	AW1		EP0909008 A3	04/14/99	Halliburton		
SA	AX1		GB2153410A	01/03/85	Licentia		

Examiner Signature	<i>Dany</i>	Date Considered	5/29/2003
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First Named Inventor	Roger L. Schultz
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Attorney Docket Number	SC-00-12

Sheet 2 of 2

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		Number - Kind Code 2 (if known)			
[Handwritten initials]	AA2	US-4,491,738	01/01/85	Kamp	
	AB2	US-5,353,873	10/11/94	Cooke, Jr.	
	AC2	US-3,970,877	07/20/76	Russell	
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GROUP 3600

FOREIGN PATENT DOCUMENTS

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